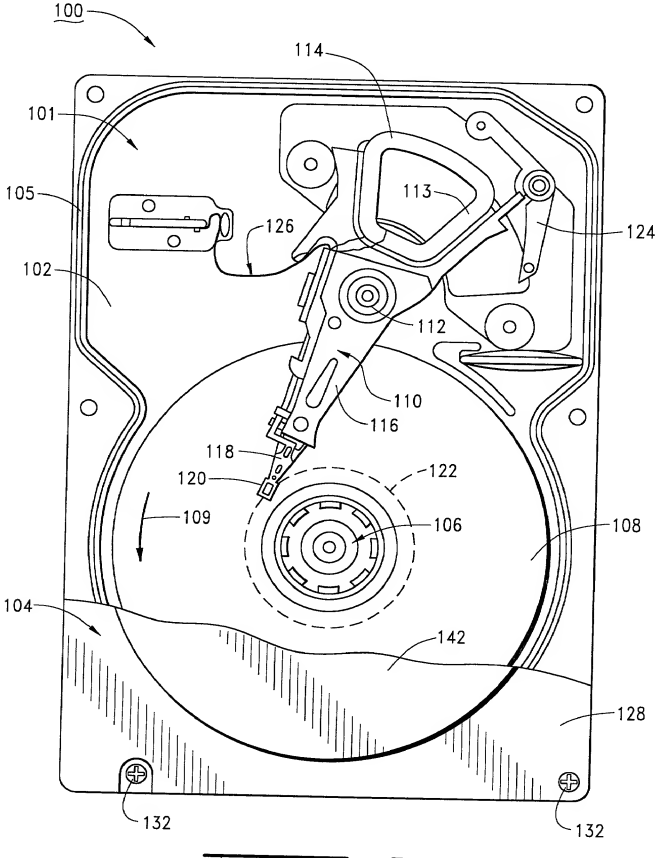
100
114
101
105
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102
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110
116
118
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104
142
128
132
132

FIG. 1

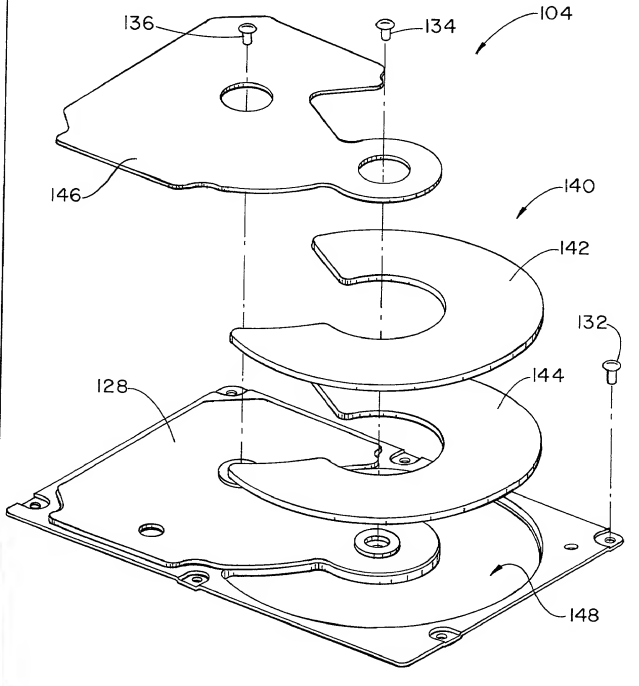

FIG. 2

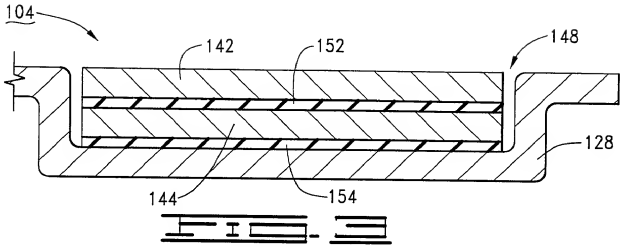

FIG. 3

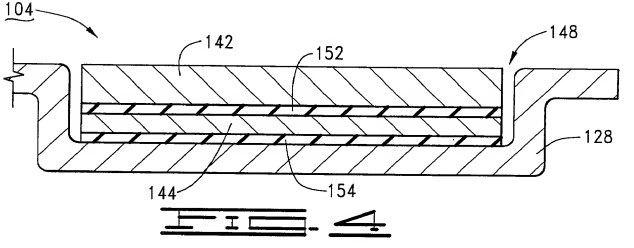

FIG. 4

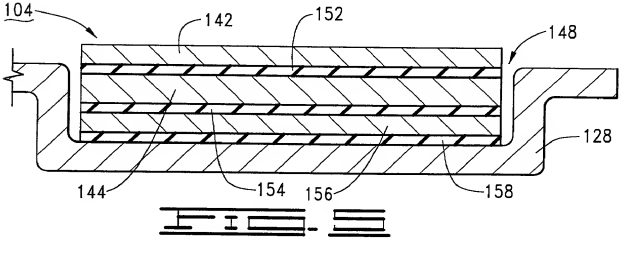

FIG. 5

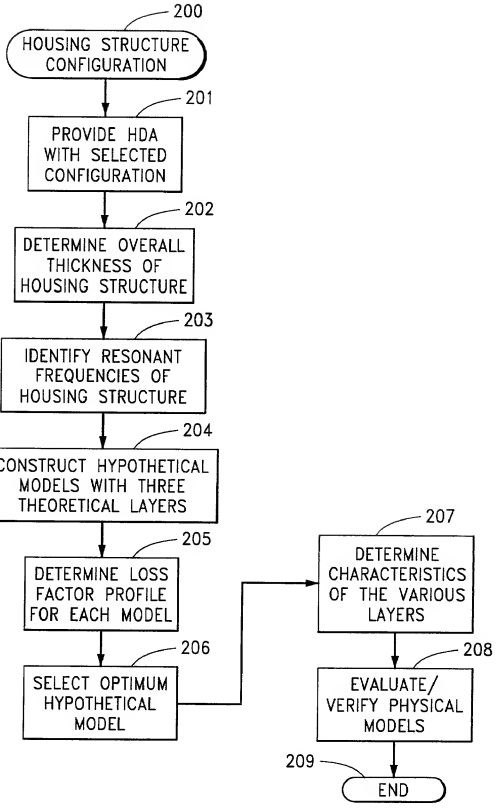
200
HOUSING STRUCTURE CONFIGURATION
201
PROVIDE HDA WITH SELECTED CONFIGURATION
202
DETERMINE OVERALL THICKNESS OF HOUSING STRUCTURE
203
IDENTIFY RESONANT FREQUENCIES OF HOUSING STRUCTURE
204
CONSTRUCT HYPOTHETICAL MODELS WITH THREE THEORETICAL LAYERS
205
DETERMINE LOSS FACTOR PROFILE FOR EACH MODEL
206
SELECT OPTIMUM HYPOTHETICAL MODEL
207
DETERMINE CHARACTERISTICS OF THE VARIOUS LAYERS
208
EVALUATE/ VERIFY PHYSICAL MODELS
209
END

FIG. 4

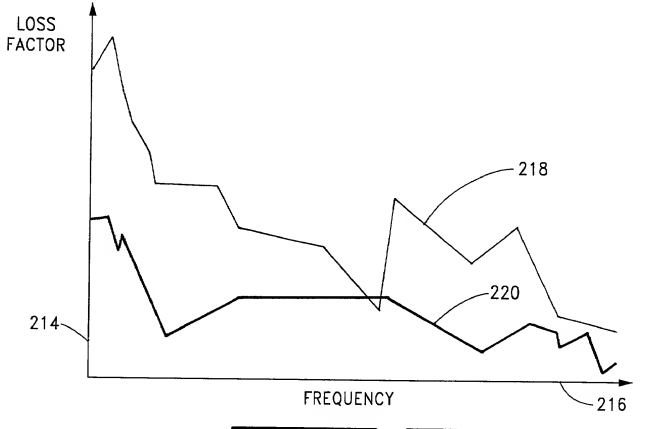
LOSS
FACTOR
218
220
214
FREQUENCY
216

FIG. 7

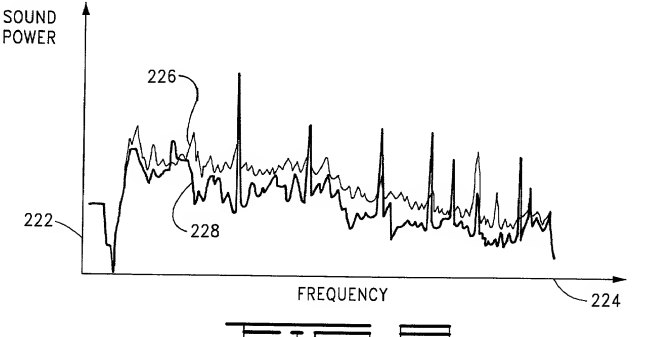
SOUND
POWER
226
222
228
FREQUENCY
224

FIG. 8